

CITY OF MILFORD  
SEWER COMMISSION REGULAR MEETING  
August 24, 2022

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, August 24, 2022, at 6 PM. This meeting was held by videoconference via Zoom.

The following Commissioners were in attendance:

*Chairman Edmund Collier*  
*Vice Chairman, Bradford Hubler*  
*Commissioner Edward Abel*  
*Commissioner Tara Carroll*

Others in attendance:

*Lindsay King, Wastewater*  
*Robert Tedeschi, Sewer Consultant, Weston & Sampson*  
*Beverly Hayes, Recording Secretary*  
*Scott Marlow, Alderman Liaison*

Commissioners and others not in attendance:

*Commissioner Brian Bier*  
*Christopher Saley, Director of Public Works*  
*Michelle Parente, Aldermen Liaison*

Chairman Collier called the meeting to order at 6:00 pm.

1. **CITIZEN'S COMMENTS** - None

*Statements limited to the legislative function of the Sewer Commission. The time limit granted to each speaker shall be three (3) minutes. Residents, taxpayers, or electors may address the Commission.*

2. **APPLICATIONS (PETITIONS)** - None

3. **SEWER ASSESSMENTS** - None

4. **WESTCOTT & MAPES, INC.** – Report from Mark Davis – presented by Chairman Collier

***A. Gulf Pond Sanitary Pump Station Repairs***

No change since last report.

5. **CONSULTING ENGINEER'S REPORT** – Weston & Sampson – Robert Tedeschi

**On-Call Support Services**

***1. Sanitary Sewer Pump Station Upgrades #1 Various Locations:***

- a. This project consists of proposed improvements to the following wastewater pumping stations:
  - i. Sailors Lane Pump Station
  - ii. Old Gate Lane Pump Station
  - iii. New Haven Ave Pump Station
  - iv. Watrous Lane Pump Station
  - v. Live Oaks Pump Station
- b. Submitted 90% design documents to the City for review
- c. Met with P&Z and wetlands to discuss local permit submission process.
- d. Submitted CAM permit application to the City for approval
- e. Performed soil boring at Live Oaks Road
- f. **Action Item:** Obtain CAM and wetland approval.

## **2. Collection System Flow Evaluation:**

- a. Report submitted on January 24, 2022 which included a prioritized schedule for future Sanitary Sewer Evaluation Surveys (SSES) that would identify sources of Infiltration and Inflow (I/I) and other defects in the wastewater collection system.
- b. Met with CTDEEP to discuss options for moving forward with developing SSES documents. SSES evaluations are partially funded by the CTDEEP Clean Water Fund Planning Grant Program (55% Grant, 45% Local Share)
- c. **Action:** City developed and published Request For Qualifications to perform the SSES Study. Submissions were due August 16, 2022

## **3. Housatonic WWTP Modeling & Assessment: Athletic Brewing Co.**

- a. The Housatonic wastewater treatment facility can accept and treat the applicant's initial loading (at 20,000 gpd) without need for modification to current processes or equipment. However, ultimate loading (at 80,000 gpd) will require operational and physical changes to allow for both the applicant's flows and continued acceptance of planned flows from continued development within the City. This is summarized in Weston & Sampson's engineering report dated March 2022.
- b. The Applicant has submitted a CT DEEP "General Permit Registration Form for Discharge of Wastewaters from Significant Industrial Users (SIU GP)" to the City for approval. Reviewed and commented upon said SIU GP.
- c. Met with CT DEEP, the City and the Applicant on July 11<sup>th</sup> to discuss development schedule and permitting requirements. It is anticipated that wastewater flow from the facility will reach the following milestones as follows:
  - i. 20,000 gpd by the end of 2022.
  - ii. 40,000 gpd by mid-2023.
  - iii. 80,000 gpd by early 2024.
- d. Developed additional modeling analysis to determine impact of proposed 40,000 GPD discharge and impact on the WWTP
- e. **Action:** City is negotiating with the Applicant regarding improvements to the Housatonic WWTP which will be required to be in place prior to full build out of the facility.

## **4. Rogers Avenue Sanitary Pump Station Upgrade**

- a. Proposed upgrades will consist of replacing:
  - i. 3 Pumps 75 HP 1,300 gpm; 104 TDH 480 3 phase (Allis Chalmers)
  - ii. Level and Pump controls,

- iii. Channel grinders,
  - iv. 180 Kw Stand-by generator
  - v. Buried fuel oil tank with above ground tank.
- b. Upgrades will also be made to protect against flooding during storm events.
- c. Reviewed FEMA Flood Maps and established anticipated design flood elevation.
- d. Design storm will be the 100-year flood elevation plus 3 feet, plus 20 inches to account for anticipated sea level rise by 2050.
- e. Base topographic survey complete.
- f. Wetland delineation now complete.
- g. 30% design submission submitted and reviewed. Incorporating comments into construction drawings.

## 6. **WASTEWATER REPORT** – Lindsay King

### **Wastewater Treatment Plants**

Both Wastewater Plants performed well in the month of July, producing a high-quality effluent. 182 million gallons was treated at the Housatonic Plant and 42 million gallons at the Beaver Brook Plant for a total of 224 million gallons. The Housatonic plants monthly average effluent nitrogen was 82 lbs./day (annual average for 2022 is 180 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 38 lbs./day (annual average for 2022 is 80 lbs./day and is under the permit limit of 94 lbs./day).

Some maintenance items were not completed due to limited staffing. Discussion ensued regarding open positions and the lack of applicants.

At the Housatonic Plant normal monthly maintenance was performed:

1. Fixed water leaks on belt filter presses and replaced torn belt on press #2
2. #4 aeration blower is down due to a bearing failure. We are in discussion with the manufacturer to repair #4 as well as sending out the other blowers for preventative maintenance at the factory.
3. Trouble shot aeration blower #2 and #3 for going out on faults. Loose wires in the cabinets were causing faults on both blowers

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Changed out oil on waste activated sludge blower. Inspected belts and air filter
2. Inspected return activated sludge pumps

### **Collection System**

#### **Pump Stations**

Scheduled maintenance was performed at the following pump stations: Kinlock, Concord, Watrous and Kurk Volk

Other Duties Performed:

1. Generators were exercised on full load at Crowley, Naugatuck, Mathew, Sailors, Cricklewood, Zion, West Mayflower, Rock, Flax Mill, Kinlock, Welches Pt., Morningside, Grove, Anderson, Ryders Woods and West Ave Pump Stations
2. Cleaned wet wells at Naugatuck, Holly, Adams, Watrous, Cascade and Kurk Volk
3. Gulf Pond oxygen system was put in manual mode due to intermittent oxygen feed in automatic mode. A valve had started to fail causing the problem in automatic and was also bypassed to maintain service. The oxygen feed was also increased from 700 lb./day to 1,000 lb./day due to odor complaints. We are experiencing extremely low flow with the dry weather. This in turn causes increased detention time in the gulf pond force main. The additional time in the force main gives the microbes present in the wastewater time to consume the oxygen added to the wastewater. When all the oxygen is consumed the microbes switch to anaerobic respiration (absence of oxygen) producing hydrogen sulfide gas and its associated odors.
4. Cleared clog at Naugatuck (2), Rogers (3), Captains Walk (2), Old Field and Flax Mill Pump Station

There were 4 alarms at the pump stations:

- 1 for High Water
- 2 for Power Outage
- 1 for Station Trouble
- 0 for Pump Overtemperature

### **Sewer Maintenance**

Sewer Maintenance answered 2 complaints.

Sewer Maintenance crews performed scheduled maintenance at the following T-sites:

T-2, T-7, T-23, T-24, T-25, and T-47

There were sewer excavations at the following locations:

NA

Other duties performed were:

1. Cleared Calf Pen Meadow easement and jetted siphon
2. Replaced five manhole frames on Rosebrook, Wildflower, Tomahawk and Lake View
3. A sewage backup occurred at the corner of New Haven Avenue and Gulf Street. The manhole was buried and had to be excavated to clear the blockage. The sewage overflow was reported to DEEP
4. Paving preparation on roads getting paved. Open, clean and inspect all manholes, replace broken frames and covers and raise manholes where needed.
5. Friday T-sites

A total of 14,460 ft. was jet flushed, 2,100 ft. televised, 1,100 ft. spy TV 'ed, 660 ft. hand rodded, 1,220 ft hydraulically root cut, 0 ft smoke tested, 400 ft root treated, and 0 ft. dye tested.

### **American Rescue Plan Act - Wastewater Pump Station Emergency Generators:**

1. This ARPA funded project consists of replacing emergency generators at multiple wastewater pump stations.

2. \$1,504,000 has been approved for this project
3. Gulf Pond and West Avenue generators have gone out to bid and received a low bid of \$492,600.
4. A second bid is being prepared for Kurk Volk, Wanda, White Oaks, Matthew, Anderson, Mayflower, Milford Point and a portable generator.

#### **Adams Avenue Generator Replacement**

1. The 60-kw generator and transfer switch will be replacing the existing failed generator.
2. The project is slated to go out to bid shortly
3. FEMA and insurance money has already been received
4. FEMA requires the project to be completed by July 2024

#### **7. COMMITTEE REPORTS - None**

#### **8. OLD BUSINESS - None**

#### **9. VOTING**

##### **a.) Public Hearing Sewer Use Public Hearing Minutes of June 1, 2022**

Chairman Collier called for motion to approve the minutes of June 1, 2022. The items could not be voted on as Commissioner Bier was not in attendance this evening.

##### **b.) Regular Meeting Minutes of July 27, 2022**

Chairman Collier called for motion to approve the minutes of July 27, 2022. Commissioner Hubler made a motion to approve with Commissioner Able seconding the motion. The motion carried unanimously.

##### **c.) Approval of Payments**

Chairman Collier called for a motion to approve the payments in the amount of \$44,104.20. Commissioner Hubler made a motion to approve the payments in the amount of \$44,104.20 seconded by Commissioner Able. The motion carried unanimously.

#### **10. CHAIRMAN'S REPORT**

##### **a.) Administrative Approvals**

Chairman Collier stated there are 12 Administrative Approvals through August 24, 2022.

Chairman Collier explained to the Commission, regarding the Brewery, that the Commission does control the financial agreement the City negotiates with the Brewery, we only control how it will impact the pump stations and ultimately the Treatment Plant. Mr. Tedeschi explained that CT Deep will get the permit application, the Sewer Commission will approve/deny the Sewer Application before CT DEEP will act on it, and

the Chairman will sign that application approved or denied. Chairman Collier explained that this will be before the Commission and not be administratively approved by him.

**11. ADJOURN**

Chairman Collier called for a motion to adjourn at 6:26 p.m. Commissioner Hubler made a motion to adjourn with Commissioner Able seconding the motion. The motion carried unanimously.

Respectfully submitted,

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Beverly A. Hayes, BS  
Recording Secretary